

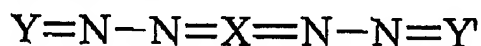
Application No. 10/804,719

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier.

1. (Original) An organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(a) a charge transport material having the formula



where Y and Y' comprise, each independently, a 9-fluorenylidene group and X is a conjugated linking group that allows the delocalization of pi electrons over at least Y and Y'; and

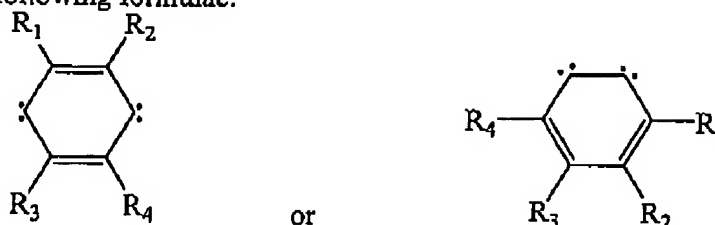
(b) a charge generating compound.

2. (Original) An organophotoreceptor according to claim 1 wherein X comprises a 1,2-ethanediylidene group, a 1,4-phenylenedimethyldiyne group, a 2,4-cyclohexadienylidene group, a 2,5-cyclohexadienylidene group, a bicyclohexylidene-2,5,2',5'-tetraene group, a bicyclohexylidene-2,4,2',4'-tetraene group, or a combination thereof.

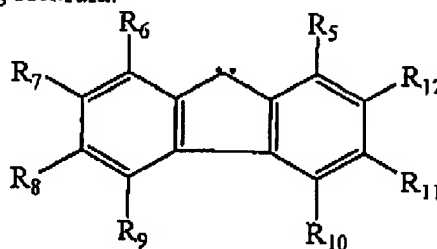
3. (Original) An organophotoreceptor according to claim 1 wherein X comprises a $(C_6R_1R_2R_3R_4)_n$ group, where the C_6 group is a cyclohexadienylidene group with substituents $R_1R_2R_3R_4$; n is an integer between 1 and 20, inclusive; and R_1 , R_2 , R_3 , and R_4 , each independently, are a hydrogen, a halogen, an amino group, a nitro group, a cyano group, an alkyl group, an alkenyl group, a heterocyclic group, an aromatic group, or part of a ring group.

Application No. 10/804,719

4. (Original) An organophotoreceptor according to claim 3 wherein the $C_6R_1R_2R_3R_4$ group has one of the following formulae:

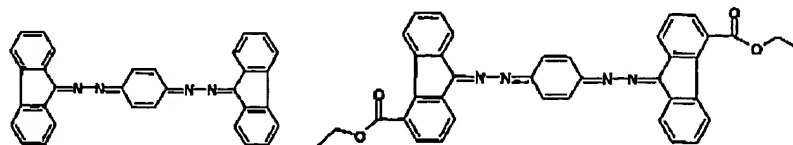


5. (Original) An organophotoreceptor according to claim 1 wherein Y and Y', each independently, have the following formula:

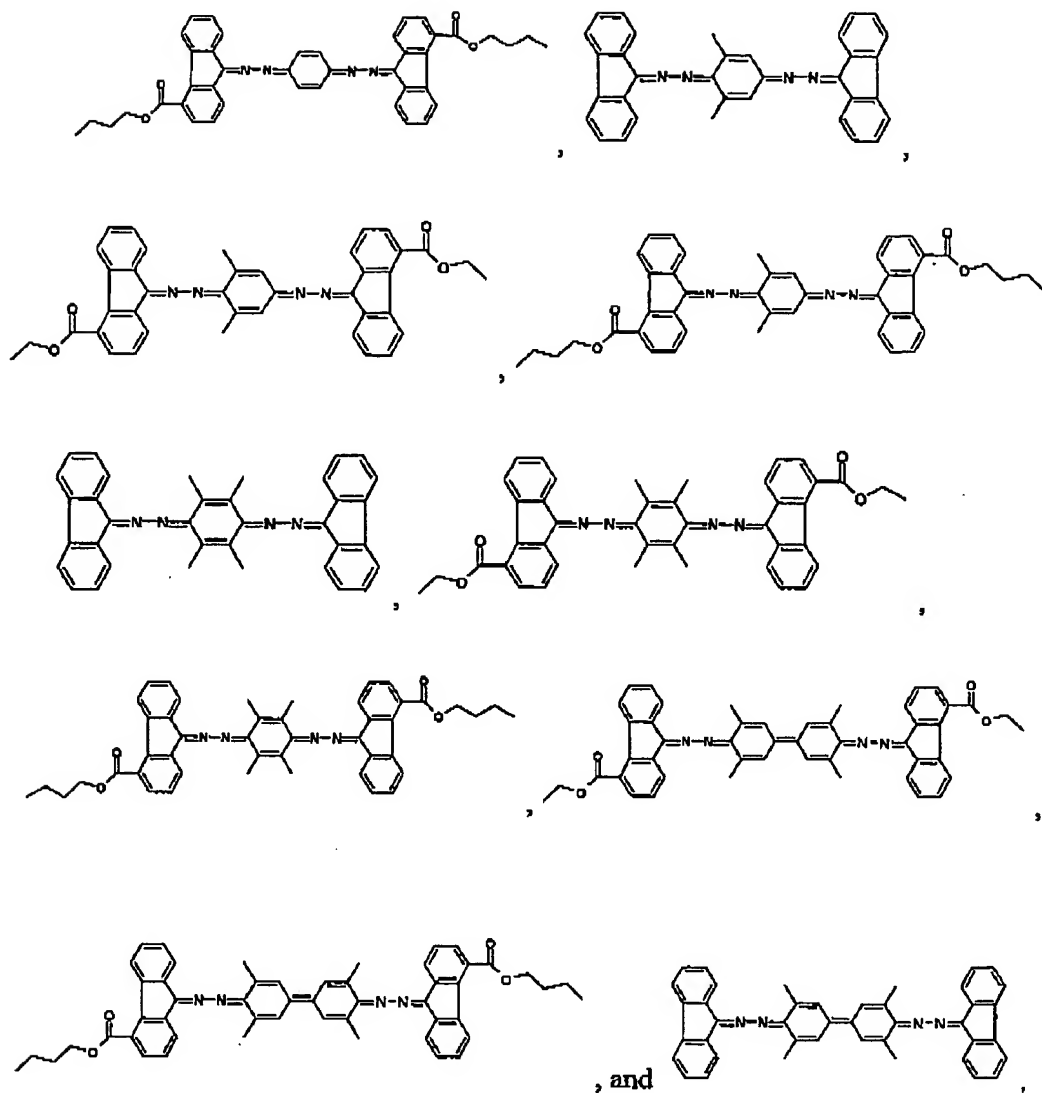


where R_5 , R_6 , R_7 , R_8 , R_9 , R_{10} , R_{11} , and R_{12} , each independently, are a hydrogen, a halogen, a hydroxyl group, a thiol group, a carboxyl group, an amino group, a nitro group, a cyano group, an alkyl group, an alkenyl group, a heterocyclic group, an aromatic group, or part of a ring group.

6. (Original) An organophotoreceptor according to claim 1 wherein the charge transport material has the following formulae:



Application No. 10/804,719



7. (Original) An organophotoreceptor according to claim 1 comprising:

(a) a charge transport layer comprising the charge transport material and a polymeric binder; and

Application No. 10/804,719

(b) a charge generating layer comprising the charge generating compound and a polymeric binder.

8. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a second charge transport material.

9. (Original) An organophotoreceptor according to claim 8 wherein the second charge transport material comprises a charge transport compound.

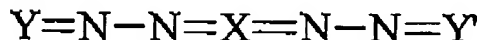
10. (Original) An organophotoreceptor according to claim 1 wherein the organophotoreceptor is in the form of a drum or a belt.

11. (Original) An electrophotographic imaging apparatus comprising:

(a) a light imaging component; and

(b) an organophotoreceptor oriented to receive light from the light imaging component, the organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(i) a charge transport material having the formula



where Y and Y' are, each independently, a 9-fluorenylidene group and X is a conjugated linking group that allows the delocalization of pi electrons over at least Y and Y'; and

(ii) a charge generating compound.

Application No. 10/804,719

12. (Original) An electrophotographic imaging apparatus of claim 11 further comprising a toner dispenser.

13. (Original) An electrophotographic imaging apparatus of claim 11 wherein the organophotoreceptor further comprises a second charge transport material.

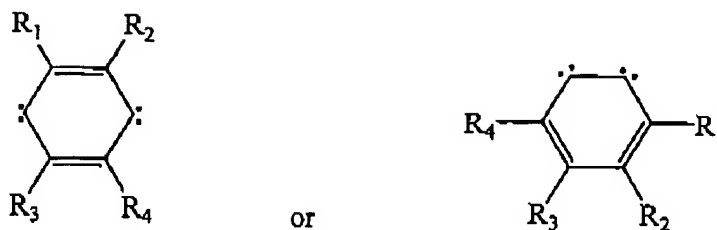
14. (Original) An electrophotographic imaging apparatus according to claim 13 wherein the second charge transport material comprises a charge transport compound.

15. (Original) An electrophotographic imaging apparatus according to claim 11 wherein X comprises a 1,2-ethanediylidene group, a 1,4-phenylenedimethylidyne group, a 2,4-cyclohexadienylidene group, a 2,5-cyclohexadienylidene group, a bicyclohexylidene-2,5,2',5'-tetraene group, a bicyclohexylidene-2,4,2',4'-tetraene group, or a combination thereof.

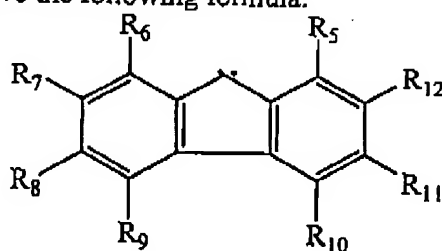
16. (Original) An electrophotographic imaging apparatus according to claim 11 wherein X comprises a $(C_6R_1R_2R_3R_4)_n$ group, where the C_6 group is a cyclohexadienylidene group with substituents $R_1R_2R_3R_4$; n is an integer between 1 and 20, inclusive; and R_1 , R_2 , R_3 , and R_4 , each independently, are a hydrogen, a halogen, an amino group, a nitro group, a cyano group, an alkyl group, an alkenyl group, a heterocyclic group, an aromatic group, or part of a ring group.

17. (Original) An electrophotographic imaging apparatus according to claim 16 wherein the $C_6R_1R_2R_3R_4$ group has one of the following formulae:

Application No. 10/804,719

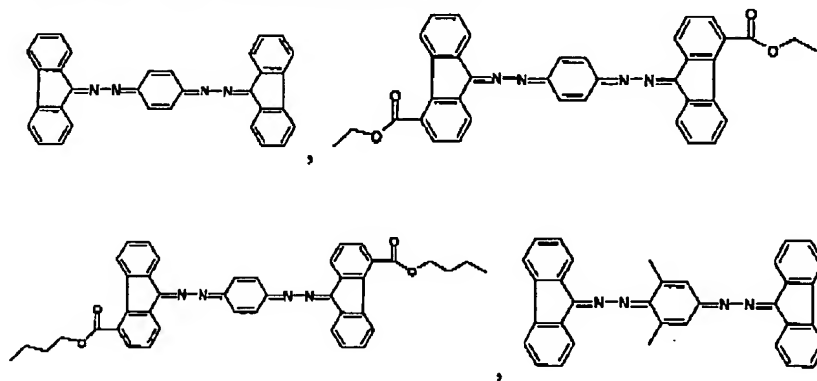


18. (Original) An electrophotographic imaging apparatus according to claim 11 wherein Y and Y', each independently, have the following formula:

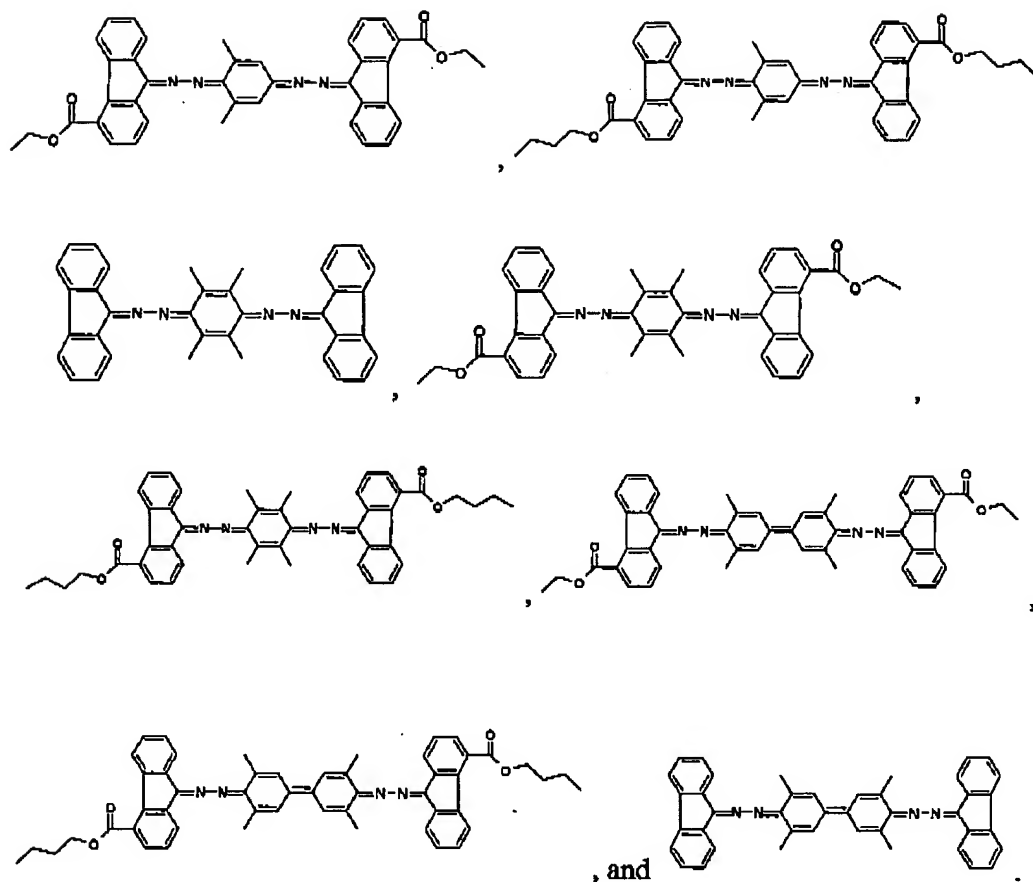


where R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, and R₁₂, each independently, are a hydrogen, a halogen, a hydroxyl group, a thiol group, a carboxyl group, an amino group, a nitro group, a cyano group, an alkyl group, an alkenyl group, a heterocyclic group, an aromatic group, or part of a ring group.

19. (Original) An electrophotographic imaging apparatus of claim 11 wherein the charge transport material has the following formulae:

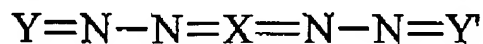


Application No. 10/804,719



20-27. (Cancelled)

28. (Original) A charge transport material having the formula



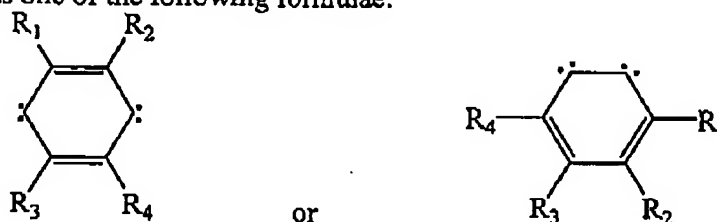
where Y and Y' are, each independently, a 9-fluorenylidene group and X is a conjugated linking group that allows the delocalization of pi electrons over at least Y and Y'.

Application No. 10/804,719

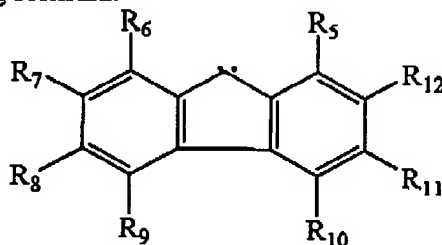
29. (Original) A charge transport material of claim 28 wherein X comprises a 1,2-ethanediylidene group, a 1,4-phenylenedimethyldiyne group, a 2,4-cyclohexadienylidene group, a 2,5-cyclohexadienylidene group, a bicyclohexylidene-2,5,2',5'-tetraene group, a bicyclohexylidene-2,4,2',4'-tetraene group, or a combination thereof.

30. (Original) A charge transport material according to claim 29 wherein X comprises a $(C_6R_1R_2R_3R_4)_n$ group, where the C_6 group is a cyclohexadienylidene group with substituents $R_1R_2R_3R_4$; n is an integer between 1 and 20, inclusive; and R_1 , R_2 , R_3 , and R_4 , each independently, are a hydrogen, a halogen, an amino group, a nitro group, a cyano group, an alkyl group, an alkenyl group, a heterocyclic group, an aromatic group, or part of a ring group.

31. (Original) A charge transport material according to claim 29 wherein the $C_6R_1R_2R_3R_4$ group has one of the following formulae:



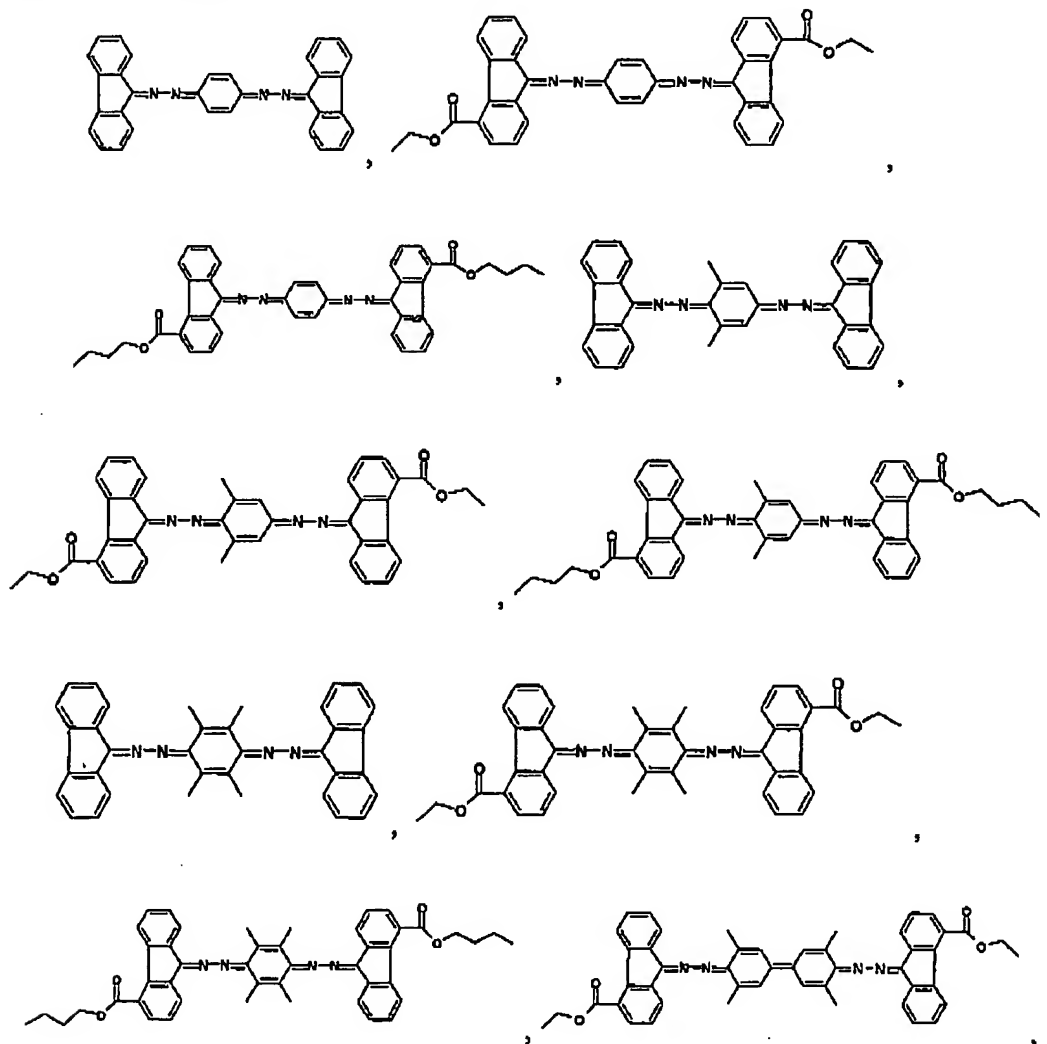
32. (Original) A charge transport material according to claim 28 wherein Y and Y', each independently, have the following formula:



Application No. 10/804,719

where R_5 , R_6 , R_7 , R_8 , R_9 , R_{10} , R_{11} , and R_{12} , each independently, are a hydrogen, a halogen, a hydroxyl group, a thiol group, a carboxyl group, an amino group, a nitro group, a cyano group, an alkyl group, an alkenyl group, a heterocyclic group, an aromatic group, or part of a ring group.

33. (Original) A charge transport material of claim 28 wherein the charge transport material has the following formulae:



Application No. 10/804,719

